**Name: ……………………………………………………………………………………. Index No: …………………………Adm No……………………………………………**

**Candidate Signature: …………………….. Date:……………………Class…………....**

**312/1**

**GEOGRAPHY**

**Paper 1**

**September 2022**

**Time 2 hours 45 min.**

LONDIANI SUB-COUNTY JOINT EVALUATION EXAMINATION

Kenya Certificate of Secondary Education

**Instructions to Candidates**

1. Answer all questions in section **A**.
2. In section **B**, Answer question **6** and any other **two** questions from the remaining questions.
3. Answer all questions using the answer booklet provided.
4. Candidate should check that all pages are printed and no questions are missing.

**For Examination use only.**

|  |  |  |
| --- | --- | --- |
| **Maximum Score** | **Candidate Score** | |
| **Section A.** | **25** | |  |
| **Question 6** | **25** | |  |
|  | **25** | |  |
|  | **25** | |  |
| **TOTAL** | **100%** | |  |

**SECTION A (25MARKS)**

***Answer all questions in this section.***

1. a) Name **two** branches of geography. (2mks)

b) Give **three** reasons why it is importance to study geography. (3mks)

2. a) Give **three** characteristics of nimbostratus clouds. (3mks)

b) State **three** factors that influence atmospheric pressure. (2mks)

3. a) Give **three** causes of earthquakes. (3mks)

b) State **two** major earthquake zones of the world. (2mks)

4. a) Identify **three** features found in the middle stage of a river`s course.(3mks)

b) State **two** factors which influence how a river transport its load. (2mks)

5. a) Give **two** types of soil degeneration. (2mks)

b) List **three** components of soils. (3mks)

**SECTION B (75MARKS)**

***Answer question 6 and any other two questions from this section.***

6. Study the map of Nyeri 1:50,000 (sheet 120/4) provided and answer the following questions

a) i) Give the longitudinal extend of the area covered by the map (2mks)

ii) Give **two** methods that have been used to represent relief in the area covered by the map (2mks)

iii) What was the magnetic declination of the area covered by the map as at January 1975 (2mks)

b) i) Name **two** administrative divisions found in the area covered by the map (2mks)

ii) Describe distribution of settlements in the area covered by the map (6mks)

c) i) Citing evidence from the map, give **three** social functions of Nyeri Municipality (3mks)

ii) Citing evidence from the map, explain **four** factors favouring beef farming in the area . covered by the map (8mks)

7 a) (i) What is a mineral (2mks)

(ii) Describe the following characteristics of minerals:

* Lustre; (2mks)
* Colour; (2mks)
* Density. (2mks)

b) (i) Name **two** examples of extrusive igneous rocks, (2mks)

(ii) Describe **three** ways in which sedimentary rocks are formed. (6mks)

c) Explain the significance of rocks to the economy of Kenya under the following

subheadings:

(i)Tourism (2mks)

(ii)Energy (2mks)

(iii)Water. (2mks)

8. a)(i) What is faulting? (2mks)

(ii) Name **four** types of faults. (4mks)

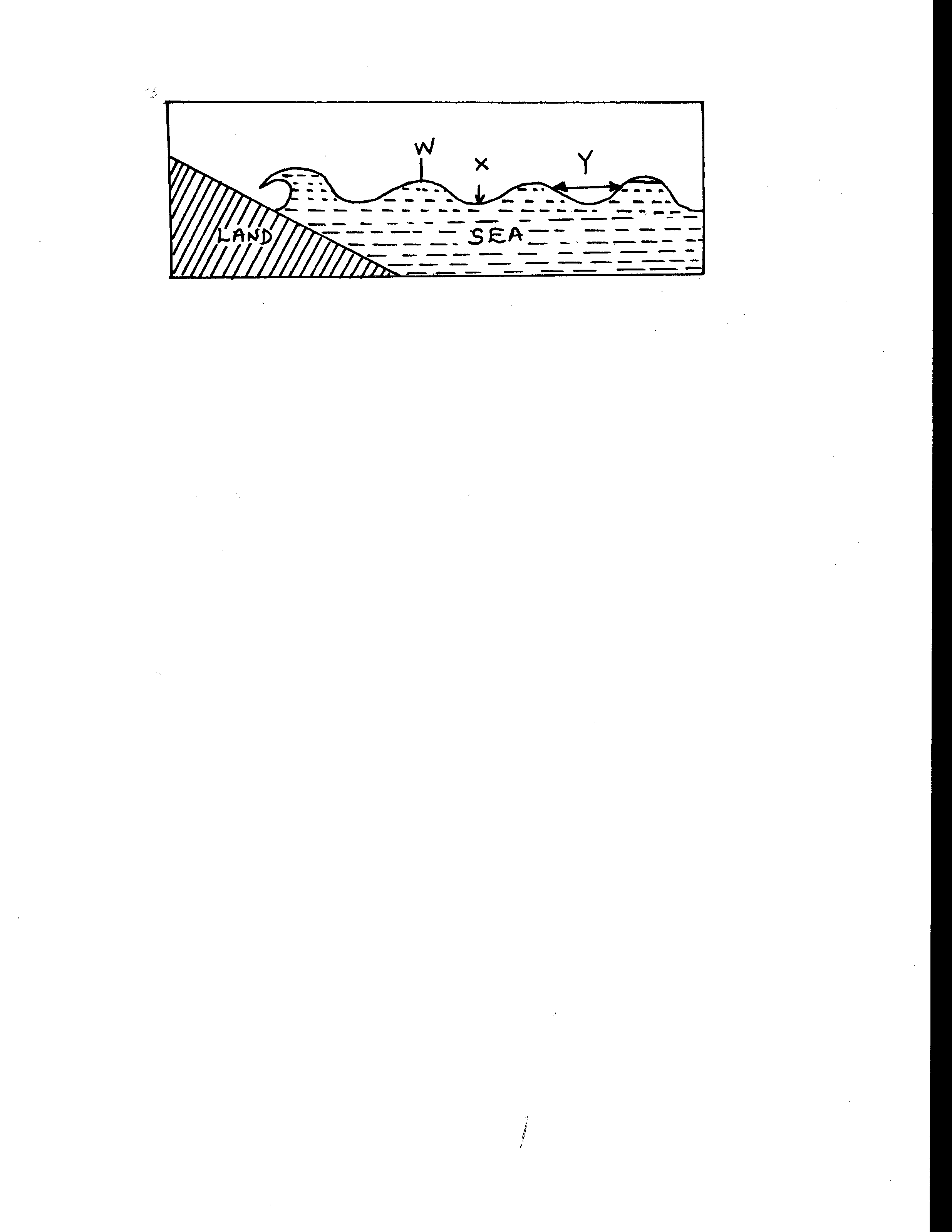
b) With the aid of well-labelled diagrams, describe how a Rift Valley is formed by Tensional forces. (8mks)

c) Apart from the Rift Valley, name other **three** relief features that may form as a result of faulting. (3mks)

d) Explain **four** ways in which features resulting from faulting are Economic significance. (8mks)

9. a) (i) State the **two** causes of waves in the oceans (2mks)

(ii) The diagram below shows parts of a wave.



Name the parts marked **W**, **X** and **Y** (3mks)

b) (i) Name **three** types of submerged coasts. (3mks)

(ii) Explain the **three** processes involved in marine erosion (6mks)

c) Using well labeled diagrams, explain how the following coastal features are formed.

* Stacks (4mks)
* Beaches (4mks)

d) State **three** ways which Kenya benefits from her coastal features. (3mks)

10 a) i) Apart from a cirque, name **three** features found on the upland glaciated areas. (3mks)

ii) With the aid of a well labelled diagram, describe the process through which a

hanging valley is formed (7mks)

b) Describe the following glacial erosional processes occur.

i) Plucking (4mks)

ii) Abrasion (3mks)

c) Explain **four** negative effects of glaciated lowland feature. (8mks)

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